DARING SCIENTISTS DELVE DEEP INTO MYSTERIES OF HAWAII'S GREAT VOLCANOES; INTERESTING THEORIES EVOLVED ON ACTIVITIES

MoloKai

and Hawaii, showing, conjecturally, a He avy shaded portion is earth's crust part of the earth's crust with volcanic vents or safety valves below surface of ocean.

Why Islands' Craters Are "Good" and No Danger Is Felt.

(Special Bulletin Correspondence.) HILO, Hawaii, June 20.—Kilauca is furnishing a magnificent spectacle now

for the tourists that come here to see the famed Volcano. Moreover, the re-cent discoveries and experiments by the experts who are living at the Volcano and studying its "habits" are grousing widespread interest, and some theories are being envolved that

will be discussed all over the world.

Kijauca, although the largest active volcano in the world, is a good volcano. What it did in the dim past, far back of any historical record, is not known. But if it did get on a "ram-page" as did Vesuvius, Etna and Mont Pelee it may again become quite act-ive and nearly everybody who visits Kilanea for the first time and sees the everlasting marks of great convulsions of the past is minded to tread easy lest he call to life the powers that are beneath him and he be forced to become an unwilling witness to nature's most terrible phenomena. This feeling of respective and reverence for Madame Pele's retort is enhanced Madame Pele's retort is enhanced many-fold by the steam-racks through which scalding steam issues, showing that the cause is not far below one's feet, and at the same time these steam cracks are in some cases miles from the boiling pit whose waves of molten are when not hyder by fourts many lava, when not broken by founts, many

striks deeper through the earth's crust and, beginning at a point some thirty and pull down to its embrace large portions of the restraining wall.

No Calamities from Kilauea.

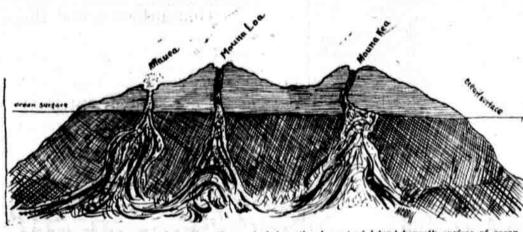
While it is true that the volcanoes of Hawaii have at different times with the memory of men living today overflowed their pits and caused a certain amount of destruction, and in one tains amount of destruction, and in one instance threatening the principal city is a seriety-valve, as it were, stroyed, large numbers killed.

No Calamities from Kilauea.

Whole earth's crust and, beginning at a point some thirty and, beginning at a point some thirty miles from the crust, it is the consent and, beginning at a point some thirty and beginnin

Rept one reminded that Kinaca was still doing business even if it was the still doing business even it was the still doing business even it was the still doing business even it was the still doing business

the fact that visitors walked leisurely crust. The molten mass, ever seeking ahead of the lava wave with no dan- a relieving channel, rushes into the ger threatening and this has given fissures, meeting the water-charged rise to the idea that lava moves slow- rocks, the result being increased



nd of Hawaii—The drawing showaives. Heavy shaded portion is part of islan the volcanoes that act as safety vs. conjecturally, this island above and below

three miles in four minutes. Experts at Work,

ome lava over its sides that ran here miles in four minutes.

Experts at Work.

The vulcanologists are again at their sost at Kilauea, delving into terrestrial physics but largely conjectural will be our knowledge of the causes of the law of The vulcanologists are again at their post at Kilauca, delving into terrestrial physics but largely conjectural will be our knowledge of the causes of the two great convulsions of nature, the volcano and the earthquake. We know, or think we know, that the interior of the earth is liquid, and judging from the increase of temperature as one sinks deeper through the earth's crust and, beginning at a point some thirty

overflowed their pits and caused a certain is a boiling mass, according than amount of destruction, and in one instance threatening the principal city of that island, there have been no frightful calamities such as have accompanied the eruptions of Vesuvius and in such capacity the void that within our own recollection and that within our own recollection of Mont Pelee, which completed its work of destruction in about the same number of minutes that it took Vesuvius days to destroy the Roman city. While the fires of Kilauca rise and fall continually, never at any length of the earth a most uncomfortable place to live.

Two Classes of Eruptions.

Eruptions of volcances are of two disappearing completely. That was in the month of March, 1886, according to the fires were sunk out of sight, great rumblings and a series of earthquakes kept one reminded that Kilauca was still doing business even if it was in the basement.

According to Hawaiians, the amount.

According to Hawaiians, the amount.

According to Hawaiians, the amount of deposits of "Pele's hair" has been carth's aurifuse.

The capacity of the earth a most uncomfortable place to live.

Two Classes of Eruptions.

Eruptions of volcances are of two quiescent, Vesuvius is of the former class and is occasioned by the pression of the capacity of the molten mass below gradually fill the vent and in time the black of the molten mass below gradually fill the vent and in time the harden of the works of the molten mass below gradually fill the vent and in time the black of the provided of public health. The third of the which of the earth a most uncomfortable place to live.

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It is at the end of the two extremes Cotapaxi is the loftlest volcano in the world, being 29,100 feet, its slope be-ing very similar to fool's-cap, and the whole rising from a plateau. Cotapaxi is classed as the wickedest of all vol-canoes, and Kilauea as one of the outerest.

The Canadian Minister of Financial anneanced that the government would discontinue putting out \$4 bankhot-Vesuvius has a record of spilling amounts of gases and steam, which, and fractional paper currency.

SCHOOL HYGIENE AS A SCIENCE

National Exhibit Will Be Held Washington Next September.

to the simplest of physics, there must be a vent, a safety-valve, as it were, and in such capacity the volcano acts. Without this escape vent for the pent-up energy it is probable.

as food sleep and clothing. With the cooperation of school architects and makers of school furniture and school 1822-Java, volcanic eruption, 4000, appliances from all over the country the bureau is also preparing exhaust-ive exhibits on the hygiene of the school building and the hygiene of instruction. Other sections of the school bygiene exhibit will take up the hy giene of physical defects, the medica inspection of school children, and open nir schoots

CHRISTIAN SCIENCE LECTURE.

Perhaps no subject is more widely discussed today than Christian Sci-ence. In inviting the public to attend the free lecture at the Hawaiian Opera House tomorrow evening at 8 o'clock the Christian Scientists of Honolulu feel that they are giving to those interested an opportunity to bear a clear statement of its teach-ings. The lecturer, Mr. Bliss Knapp, is a member of the Board of Lectureship of the Mother Ghurch, The Pirst Church of Christ, Scientist, in Boston, Mass., and comes prepared to speak with authority upon the subject.

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